

**CLAIMS**

1. Optical system such as an intraocular lens made  
of a homogeneous material whose optical refractive index  
5 shows variations in at least one given direction,  
characterized in that the said index is high and variable  
under the action of mechanical effects.

2. Optical system according to claim 1,  
characterized in that the homogeneous material consists of  
10 at least one three-dimensional liquid crystal polymer  
material.

*add  
A11*